Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	57	edge$2 near2 smooth$3 near5 curv$6 near5 radius$2	US-PGPUB; USPAT	OR	OFF	2005/07/11 11:29
L3	201	(edge$2 near2 smooth$3) same (curv$6 near5 radius$2)	US-PGPUB; USPAT	OR	OFF	2005/07/11 11:30
L4	145	3 not 2	US-PGPUB; USPAT	OR	OFF	2005/07/11 11:29
L5	142	4 and (curv$6 near2 radius$2)	US-PGPUB; USPAT	OR	OFF	2005/07/11 11:30
L12	1421	hexahedral or (hexa adj hedral43)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:00
L13	1423	hexahedral$2 or (hexa adj hedral43)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:22
L14	697	13 and edge$2	US-PGPUB; USPAT	OR	OFF	2005/07/11 11:59
L15	48	14 and (radius$3 near5 curv$6)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:14
L16	18837	edge$2 near curv$6	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:15
L17	35089	edge$2 near2 curv$6	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:15
L18	11517	17 and radius$2	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:16
L19	24	18 and (hexahedral$2 or (hexa adj hedral$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:18
L20	15	19 and smooth$3	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:18
L21	1423	hexahedral$2 or (hexa adj hedral$3)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:25
L22	21	21 and (divi$6 near2 (hexahedral$2 or (hexa adj hedral$3)))	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:45
L23	2929	hexahedr$4	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:51
L24	791	23 and (radius$2 or radi$2)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:50
L25	55	24 and (model$3 with hexahedr$4)	US-PGPUB; USPAT	OR	OFF	2005/07/11 12:51
L26	44	25 and (curv$6 or arc$2)	US-PGPUB; USPAT	OR	OFF	2005/07/11 13:53
L27	83	23 and (smoot$4 with (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 16:59
L28	28	27 and (smoot$4 near2 (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 13:54

L29	8	("5027281" | "5031120" | "5115400" | "5126646" | "5315537" | "5442569" | "5522019" | "5553206").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 14:06
L30	750	23 and smoot$4	US-PGPUB; USPAT	OR	OFF	2005/07/11 16:03
L31	55	27 not 28	US-PGPUB; USPAT	OR	OFF	2005/07/11 16:03
L32	150	23 and (smoot$4 same (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 16:53
L33	67	32 not 27	US-PGPUB; USPAT	OR	OFF	2005/07/11 16:54
L34	17023	(smoot$4 near2 (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 18:44
L35	2932	34 and model$2	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:00
L36	515	35 and mesh$2	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:01
L37	260	36 and (radius or radi$2)	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:01
L38	98	37 and @ad<"20000612"	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:13
L39	68	37 and @rlad<"20000612"	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:01
L40	133	38 or 39	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:02
L41	53	40 and hex$8	US-PGPUB; USPAT	OR	OFF	2005/07/11 18:44
L42	188	35 and ((radius$1 or radi$2) near5 (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:14
L43	112	42 and @ad<"20000612"	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:13
L44	60	42 and @rlad<"20000612"	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:13
L45	125	43 or 44	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:13
L46	119	35 and (radius$1 near5 (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 17:14
L47	3	("5892515").URPN.	USPAT	OR	OFF	2005/07/11 18:14
L48	0	("6727898").URPN.	USPAT	OR	OFF	2005/07/11 18:14
L49	4	("5315537" | "5442569" | "5522019" | "5553206").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 18:43
L50	2104	(382/128,266).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/11 18:43

L51	190	50 and (smoot$4 near2 (edge$2 or boundar$3))	US-PGPUB; USPAT	OR	OFF	2005/07/11 18:44

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Journal of Computational Physics, In Press, Corrected Proof, Available online 23 May 2005,
Y. Kallinderis and H.T. Ahn
Abstract

2. **Hex-dominant mesh generation using 3D constrained triangulation** • ARTICLE
Computer-Aided Design, Volume 33, Issue 3, 1 March 2001, Pages 211-220
Steven J. Owen
Abstract

3. **The spatial twist continuum: A connectivity based method for representing all-hexahedral finite element meshes** • ARTICLE
Finite Elements in Analysis and Design, Volume 28, Issue 2, 15 December 1997, Pages 137-149
Peter Murdoch, Steven Benzley, Ted Blacker and Scott A. Mitchell
Abstract

4. **Hexahedral meshing using midpoint subdivision and integer programming** • ARTICLE
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Fast 3-D edge element analysis by the geometric multigri using an accelerated symmetric Gauss-Seidel smoother

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Posted online: 2003-05-13 11:47:14.0

Abstract
A fast magnetostatic field analysis by the three-dimensional (3-D) geometric multigrid met **hexahedra** is presented. The multigrid method uses a symmetric Gauss-Seidel **smoothe** gradient acceleration. The convergence and the speed of the V- and W-cycle multigrid me **smoother** are compared with the multigrid using Gauss-Seidel. Comparison is also made element method (FEM) using ICCG. The multigrid with the accelerated symmetric Gauss- stable convergence rate that does not deteriorate for bad quality meshes. It is much faste conventional multigrid with Gauss-Seidel and the FEM using ICCG.

Index Terms
Inspec

Controlled Indexing
conjugate gradient methods convergence of numerical methods magnetic field

Non-controlled Indexing
3D geometric multigrid method FEM ICCG V-cycle multigrid method W-cycle method accelerated symmetric Gauss-Seidel **smoother** conjugate gradient ac **edge hexahedra** fast 3D **edge** element analysis fast magnetostatic field analy element method meshes stable convergence rate

Author Keywords
Not Available

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Abstract | Full Text: PDF (112KB)

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